



OnePlus One Display Assembly Replacement

This guide will walk you through removal and replacement of the display panel in your OnePlus One smartphone.

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TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [SIM Card Eject Tool](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)



PARTS:

- [OnePlus One Display Assembly](#) (1)

Step 1 — Removal of Rear Panel



- Remove the SIM tray.
- Using a plastic opening tool, carefully separate the back panel from the main body assembly of the phone. Be extra careful around the SIM slot or other weak areas.
- You may encounter some resistance due to hidden locking clips around the inside edge of the phone. Not to worry; just move in one consistent direction around the phone as opposed to jumping from spot to spot!
- Top to bottom, left to right, clockwise or counter clockwise, once we make it about half way around the device, the panel is easily removable by hand.

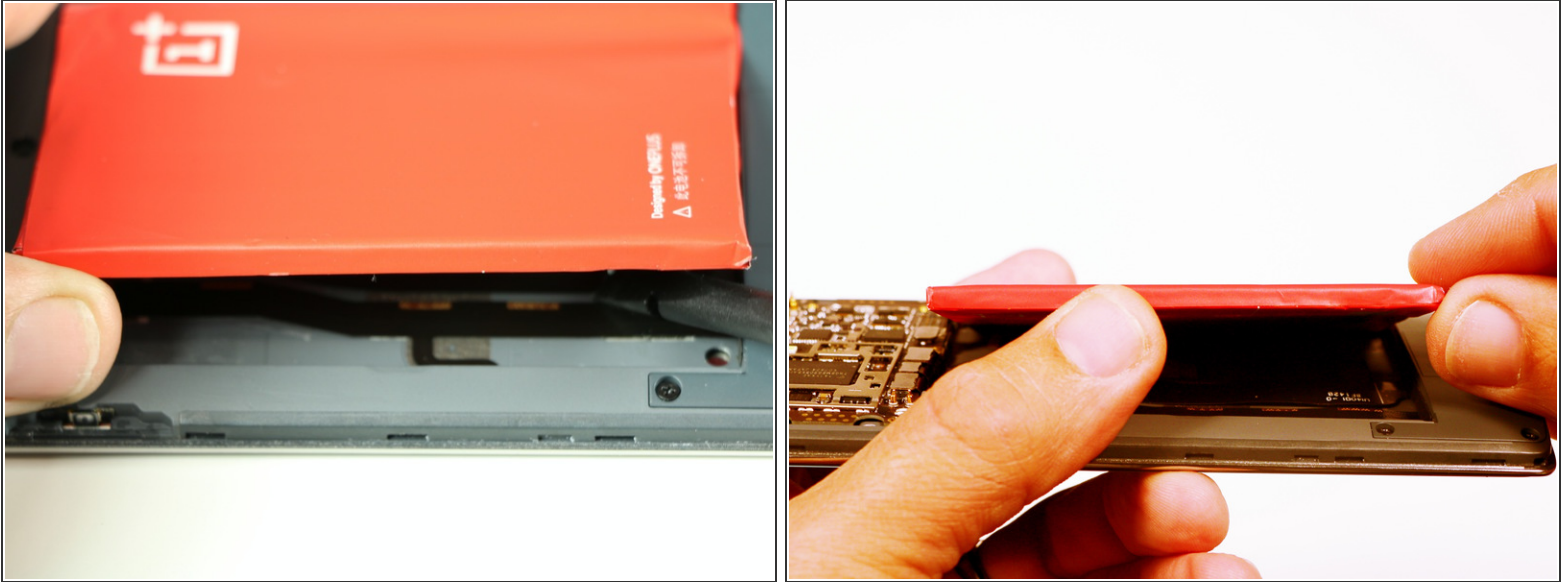
⚠ It is of utmost importance that you do not attempt to free the battery from the device at this point without proceeding to the following step! This is an *integrated* battery that can easily be damaged or destroyed if the proper steps are not taken.

Step 2 — Removing the Motherboard Cover



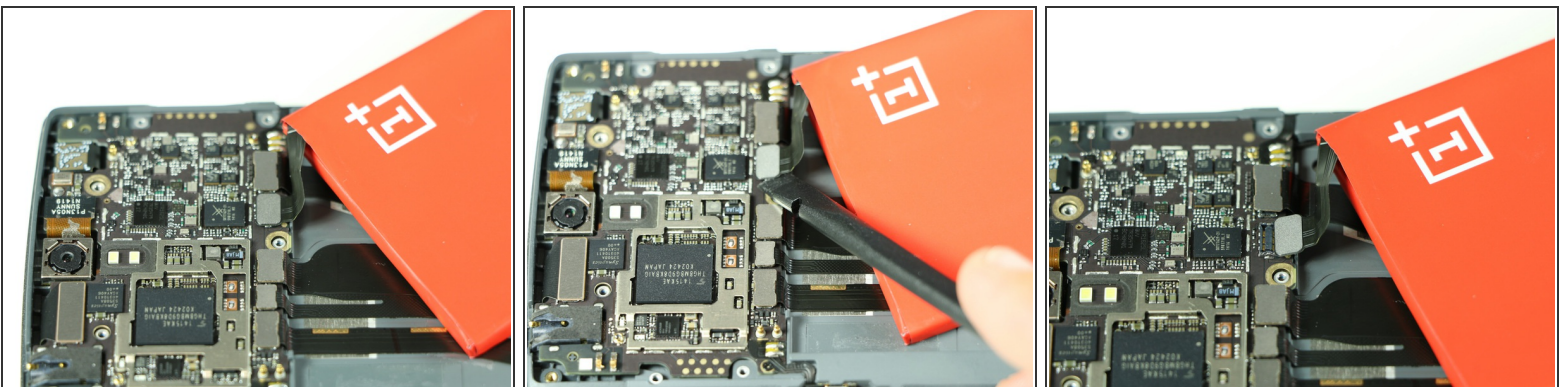
- Using our #00 screwdriver, we remove the screws around the outer edge of the upper interior cover of the phone that houses the motherboard and cameras. ***See info note below!***
 - ⓘ Keep in mind that there are four hidden screws. One underneath the white tamper sticker(uh-oh) and a second under the plastic plug(circled in red), and 2 more under plastic plugs to the left and right of the camera. Tweezers are an effective tool for removing the plug.
- Luckily, the OnePlus One was assembled with all of the same size screws save for the one holding down the motherboard. All of *these* screws are Philips 00 and 3.175 mm. in length.
- Once all of the 9 screws have been removed, you can pry the cover off with the blue opening tool, exposing the motherboard.

Step 3 — Freeing the Battery



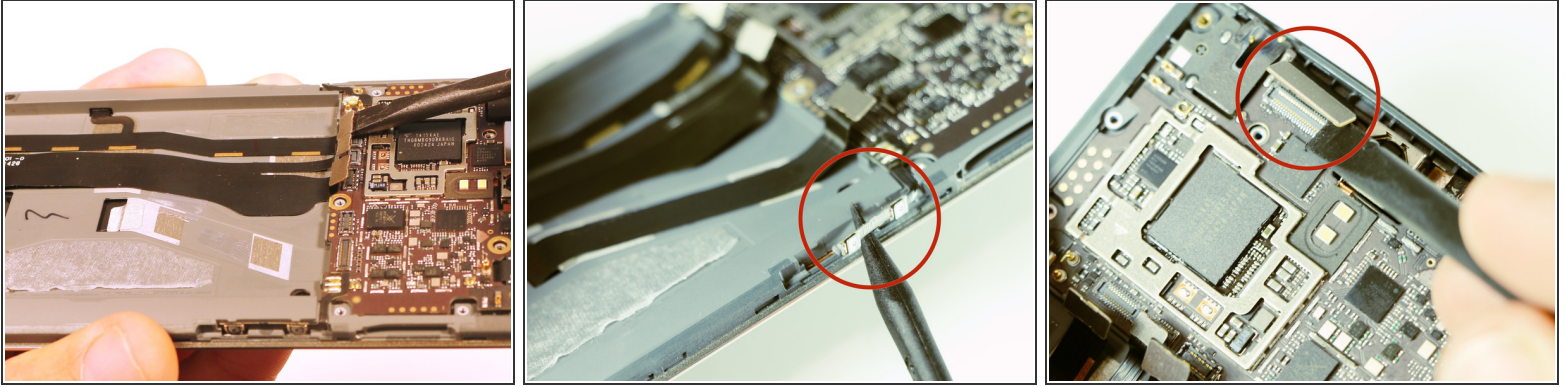
- After we have removed the motherboard cover, we notice that the battery is intact and has a black ribbon attached to it, which is mounted on the logic board.
 - Using the spudger, carefully begin to lift the the battery up from the side opposite the ribbon. Be aware that there is high-grade adhesive holding the battery in its bay, so caution and patience are your friends.
- ⚠ This battery is not encased in a hard shell so it is soft and malleable. Caution must be taken during removal so as not to cause permanent damage.

Step 4 — Freeing the Battery Ribbon



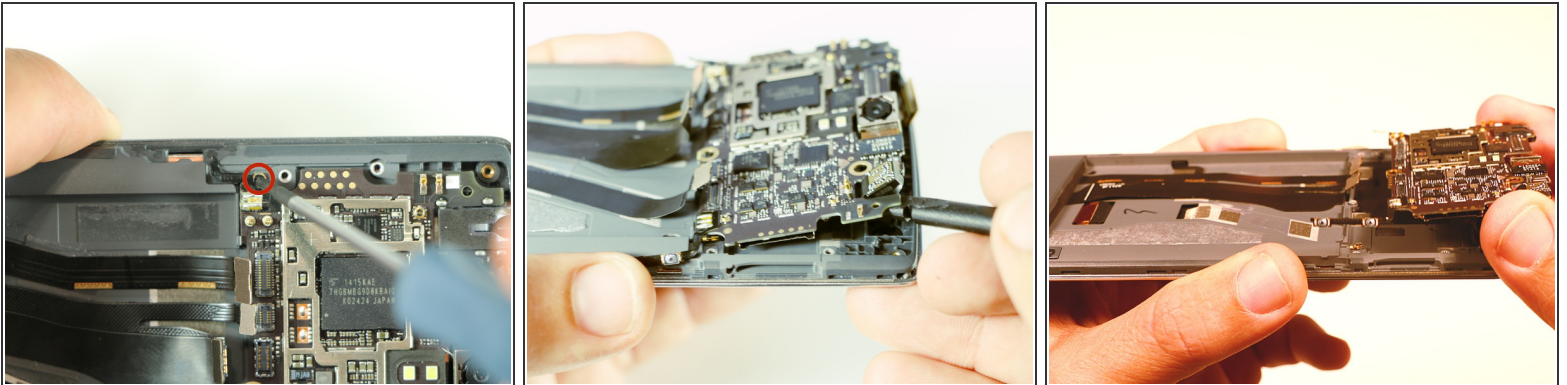
- Once the battery has been freed, we use the ever handy black spudger to pry up and free the the battery ribbon from its dock. Success!

Step 5 — Removal of Ribbons



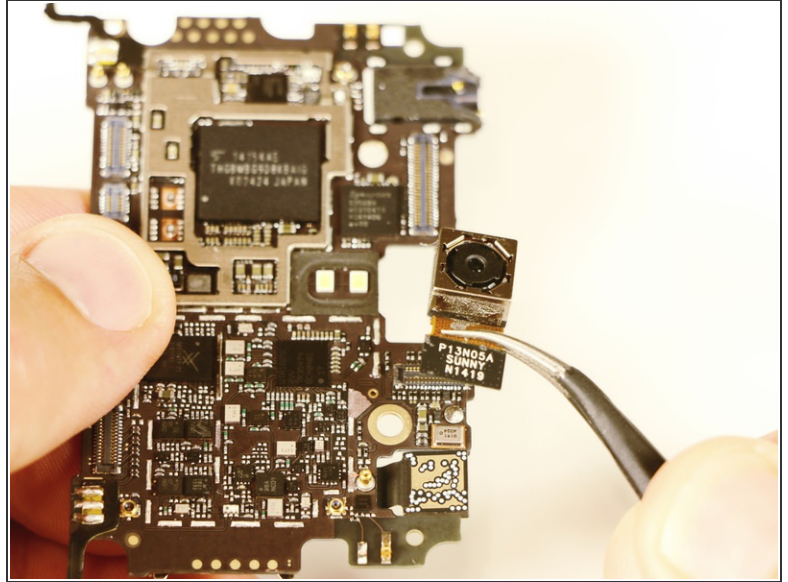
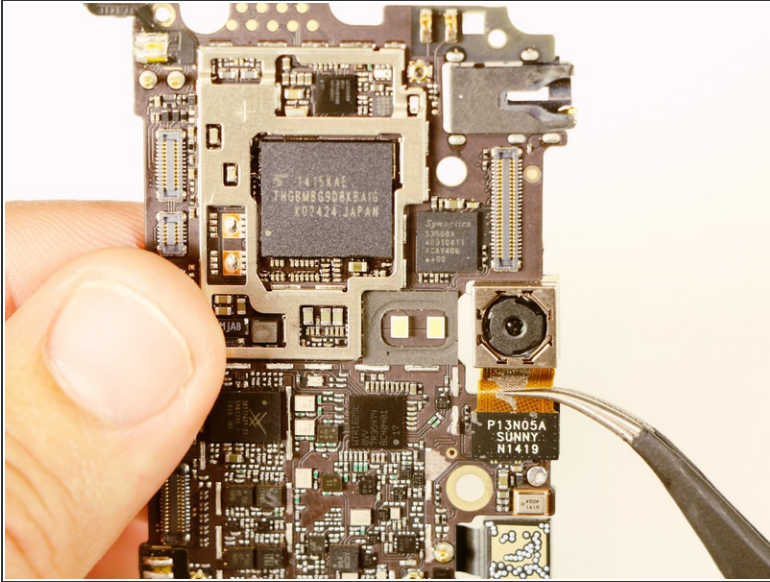
- After the battery has been removed, use the spudger to disconnect the remaining ribbons.
- Notice that there are two side ribbons, one on each side (volume up/down and power), and a top ribbon as well as those from the battery compartment.

Step 6 — Removal of Motherboard



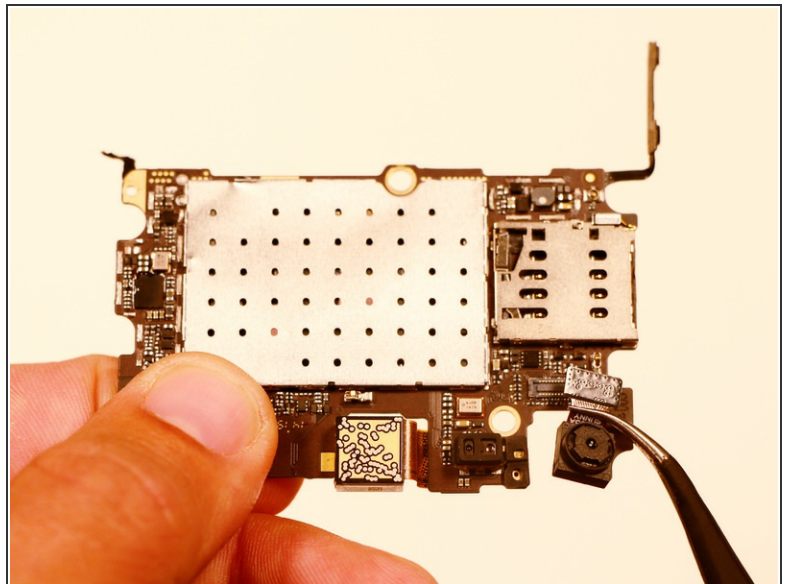
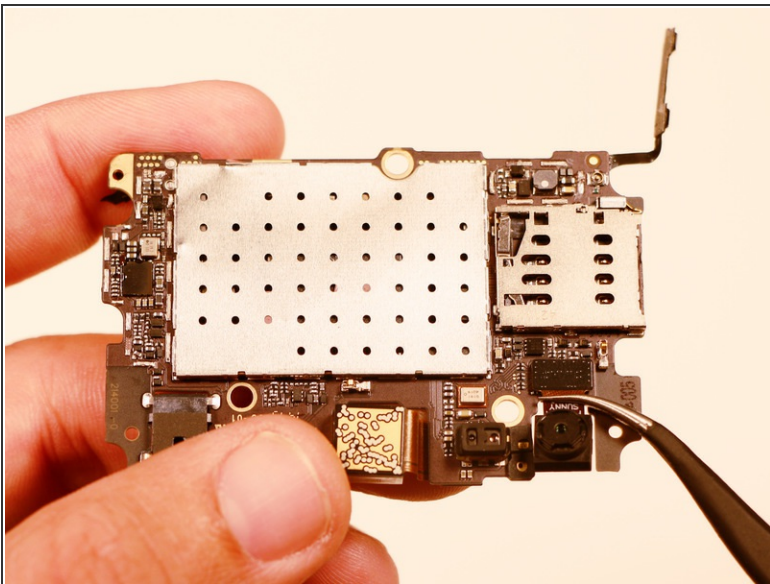
- After removal of the ribbons, there is one final screw. Once you have removed this, the motherboard easily pries out with spudger.
- This is the only screw that differs in size. This screw is a philips 00, 3.00 mm. in length.

Step 7 — Removal of Rear Facing Camera



- Once the motherboard has been removed simply pry off the rear facing camera with a spudger or angled tweezers.

Step 8 — Removal of Front Facing Camera



- Once the motherboard has been removed simply pry the front facing camera off of its connector with a spudger or angled tweezers.

Step 9 — Display Assembly



- After the motherboard and other connected parts have been disconnected, apply heat to the screen/panel of the phone
- We used an [iOpener](#) for this guide, but you can also use a heat gun or hairdryer for this step.

Step 10



- After heat has been applied use an opening pick to pry the screen away from the frame. Although a blue opening tool is preferred, you can use a guitar pick as well or similar hard plastic tool.
- Now simply lift the screen away from the body of the phone and separate.
- Watch it! There is a tiny frame to position the display. It is located on roundabout half the thickness of the display you see. Place the tool there to pry open or you will have to glue the positioning frame onto the phone first and then glue the display to the frame.

To reassemble your device, follow these instructions in reverse order.

